

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 April 2003 (03.04.2003)

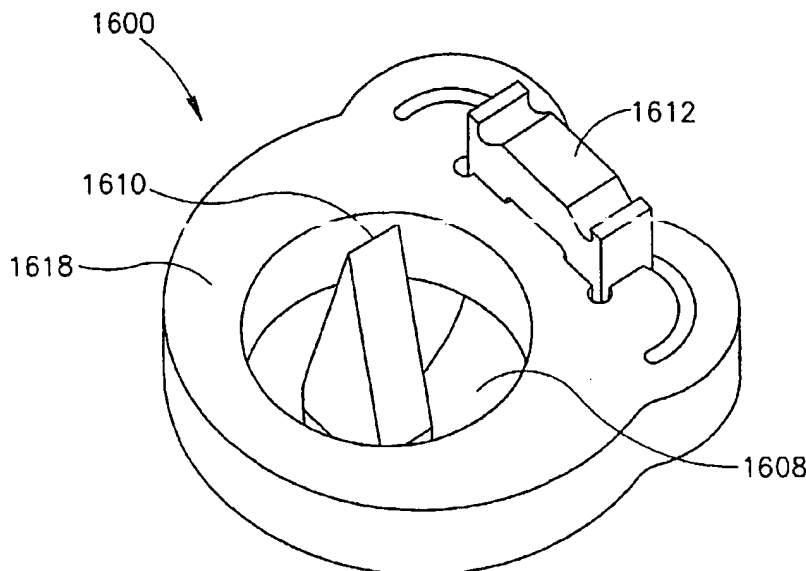
PCT

(10) International Publication Number
WO 03/026475 A2

- (51) International Patent Classification⁷: **A61B**
- (21) International Application Number: **PCT/IL02/00790**
- (22) International Filing Date:
25 September 2002 (25.09.2002)
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
PCT/IL01/00903
25 September 2001 (25.09.2001) **IL**
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US **PCT/IL02/00215** and (CIP)
Filed on **18 March 2002 (18.03.2002)**
- (71) Applicant (for all designated States except US):
BY-PASS, INC. [US/US]; 40 RAMLAND ROAD,
ORANGEBURG, NY 10962 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **LOSHAKOVE, Amir** [IL/IL]; P.O. BOX 378, 60944 MOSHAV BAZRA (IL). **KILEMNIK, Ido** [IL/IL]; 35 NORDAU STREET, 46585 HERZELIA (IL). **HEFER, Gili** [IL/IL]; 8/8 HERZFELD STREET, 44415 KFAR SABA (IL). **FRIEDMAN, Aharon, Shlomo** [IL/IL]; 30/3 GOT LEVIN STREET, 32922 HAIFA (IL). **NATIV, Ofer** [IL/IL]; 11 HAMAAYAN STREET, 75210 RISHON-LEZION (IL).
- (74) Agents: **FENSTER, Paul** et al.; Fenster and Company Patent Attorneys Ltd., P.O. Box 10256, 49002 Petach Tikva (IL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: ANASTOMOTIC DELIVERY SYSTEM



(57) Abstract: An anastomotic connector for attaching two blood vessels comprising a plurality of eye segments, each defining a channel and each including a part of an interlock mechanism on said channel; a plurality of hook segments, each defining a tissue holding area, each adapted to pass through said channel and including a second part of said interlock mechanism, wherein, said interlock mechanism engages for a hook and an eye segment when said hook segment is retracted back into said eye segment enough to attach two layers of vascular tissue between said eye segment and said hook segment.

WO 03/026475 A2



(84) **Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.